10615694 2/15/05

Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID:ssspta1712mxf

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS	1		Web Page URLs for STN Seminar Schedule - N. America
NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
NEWS	4	OCT 28	KOREAPAT now available on STN
NEWS	5	NOV 30	PHAR reloaded with additional data
NEWS	6	DEC 01	LISA now available on STN
NEWS	7	DEC 09	12 databases to be removed from STN on December 31, 2004
NEWS	8	DEC 15	MEDLINE update schedule for December 2004
NEWS	9	DEC 17	ELCOM reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	10	DEC 17	COMPUAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	11	DEC 17	SOLIDSTATE reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	12	DEC 17	CERAB reloaded; updating to resume; current-awareness alerts (SDIs) affected
NEWS	13	DEC 17	THREE NEW FIELDS ADDED TO IFIPAT/IFIUDB/IFICDB
NEWS	14	DEC 30	EPFULL: New patent full text database to be available on STN
NEWS	15	DEC 30	CAPLUS - PATENT COVERAGE EXPANDED
NEWS	16	JAN 03	No connect-hour charges in EPFULL during January and February 2005
NEWS	17	JAN 26	CA/CAPLUS - Expanded patent coverage to include the Russian Agency for Patents and Trademarks (ROSPATENT)
NEWS	18	FEB 10	STN Patent Forums to be held in March 2005

NEWS EXPRESS JANUARY 10 CURRENT WINDOWS VERSION IS V7.01a, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 10 JANUARY 2005

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * * *

10615694 2/15/05

FILE 'HOME' ENTERED AT 16:10:04 ON 15 FEB 2005

=> file registry

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 16:10:10 ON 15 FEB 2005

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 14 FEB 2005 HIGHEST RN 831169-46-1
DICTIONARY FILE UPDATES: 14 FEB 2005 HIGHEST RN 831169-46-1

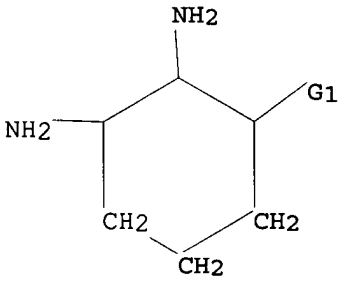
TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

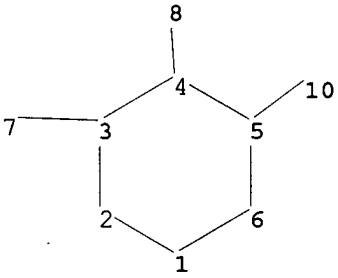
Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more information enter HELP PROP at an arrow prompt in the file or refer to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 1a.str





chain nodes :
7 8 10
ring nodes :
1 2 3 4 5 6
chain bonds :
3-7 4-8 5-10
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 2-3 3-4 3-7 4-5 4-8 5-6 5-10

G1:CH3,Et,H

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS

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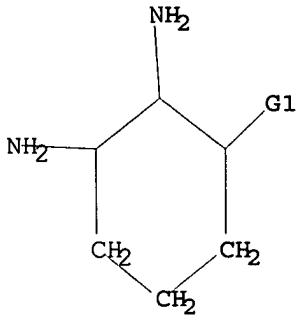
L1 STRUCTURE UPLOADED

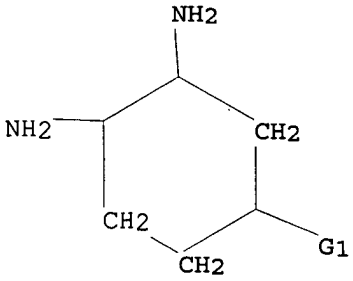
=> d l1
L1 HAS NO ANSWERS
L1 STR

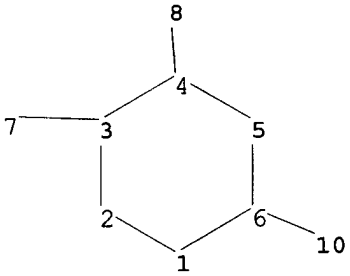


G1 Me,Et,H

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 1b.str





chain nodes :
7 8 10
ring nodes :
1 2 3 4 5 6
chain bonds :
3-7 4-8 6-10
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 2-3 3-4 3-7 4-5 4-8 5-6 6-10

G1:CH3,Et,H

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS

L2 STRUCTURE UPLOADED

=> d l2
L2 HAS NO ANSWERS

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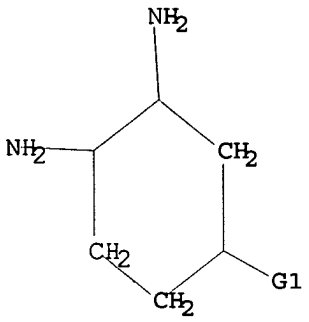
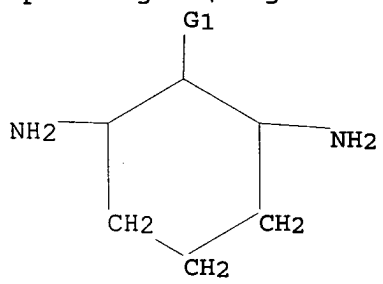
L2 STR

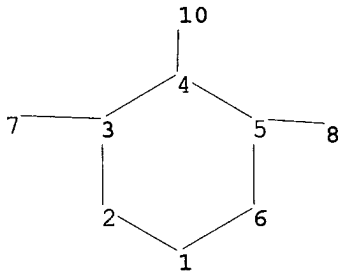


G1 Me,Et,H

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 1c.str





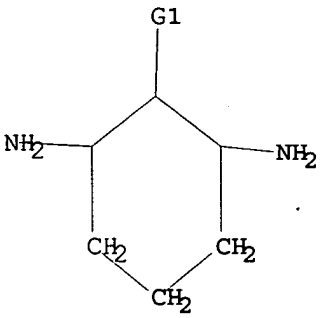
chain nodes :
7 8 10
ring nodes :
1 2 3 4 5 6
chain bonds :
3-7 4-10 5-8
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 2-3 3-4 3-7 4-5 4-10 5-6 5-8

G1:CH3,Et,H

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS

L3 STRUCTURE UPLOADED

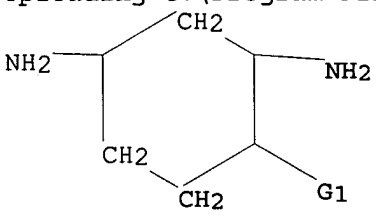
=> d l3
L3 HAS NO ANSWERS
L3 STR

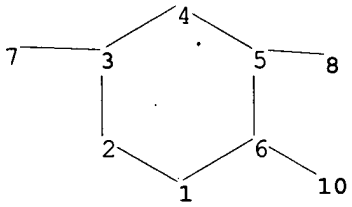


G1 Me,Et,H

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 1d.str





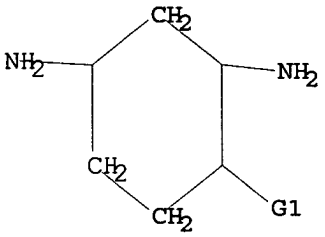
chain nodes :
7 8 10
ring nodes :
1 2 3 4 5 6
chain bonds :
3-7 5-8 6-10
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 2-3 3-4 3-7 4-5 5-6 5-8 6-10

G1:CH3,Et,H

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS

L4 STRUCTURE UPLOADED

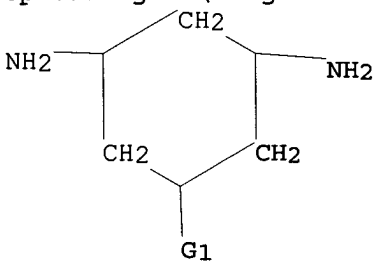
=> d l4
L4 HAS NO ANSWERS
L4 STR

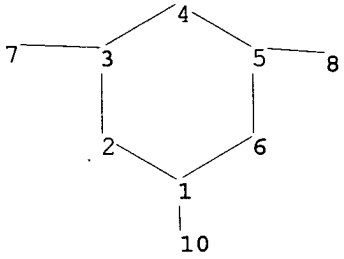


G1 Me,Et,H

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 1e.str





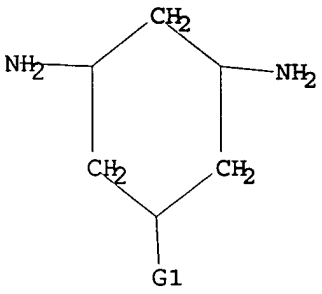
chain nodes :
7 8 10
ring nodes :
1 2 3 4 5 6
chain bonds :
1-10 3-7 5-8
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 1-10 2-3 3-4 3-7 4-5 5-6 5-8

G1:CH3,Et,H

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS

L5 STRUCTURE UPLOADED

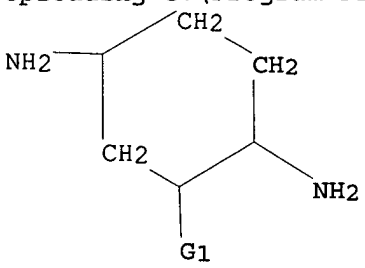
=> d l5
L5 HAS NO ANSWERS
L5 STR

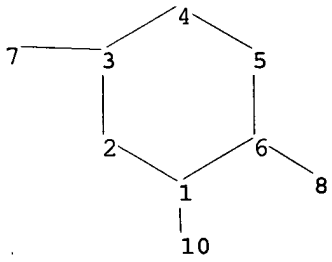


G1 Me,Et,H

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 1f.str





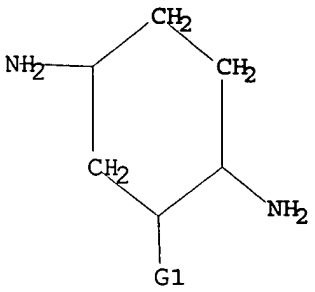
chain nodes :
7 8 10
ring nodes :
1 2 3 4 5 6
chain bonds :
1-10 3-7 6-8
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
1-2 1-6 1-10 2-3 3-4 3-7 4-5 5-6 6-8

G1:CH3,Et,H

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 10:CLASS

L6 STRUCTURE UPLOADED

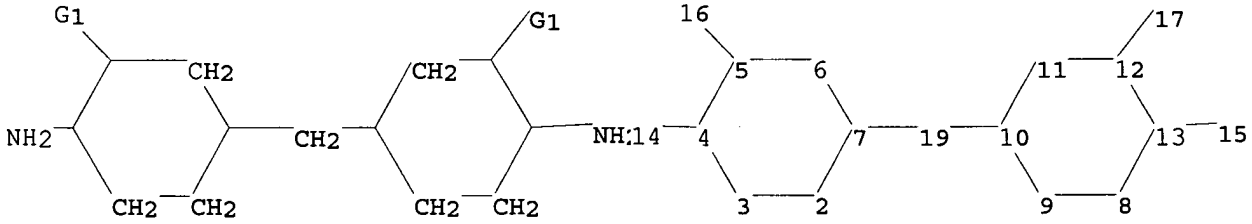
=> d l6
L6 HAS NO ANSWERS
L6 STR



G1 Me,Et,H

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 2a.str



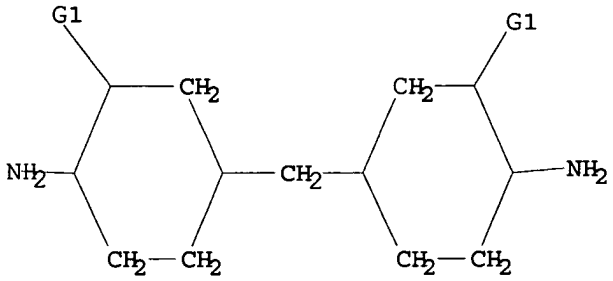
chain nodes :
14 15 16 17 19
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13
chain bonds :
4-14 5-16 7-19 10-19 12-17 13-15
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13
exact/norm bonds :
2-3 2-7 3-4 4-5 4-14 5-6 5-16 6-7 8-9 8-13 9-10 10-11 11-12 12-13
12-17 13-15
exact bonds :
7-19 10-19

G1:CH3,Et,H

Match level :
2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 19:CLASS

L7 STRUCTURE UPLOADED

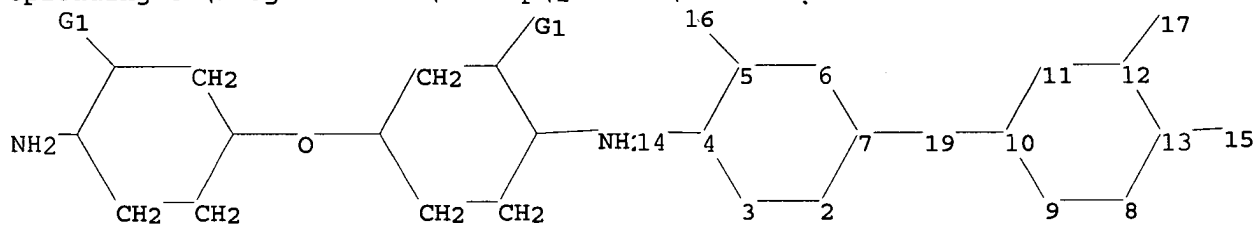
=> d l7
L7 HAS NO ANSWERS
L7 STR



G1 Me,Et,H

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 2b.str



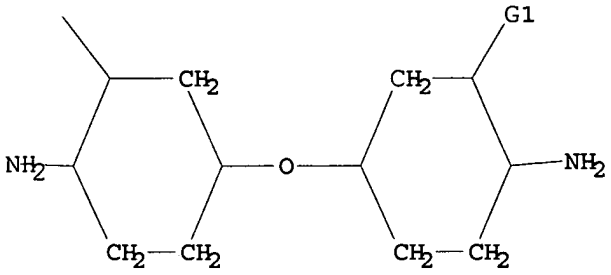
chain nodes :
14 15 16 17 19
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13
chain bonds :
4-14 5-16 7-19 10-19 12-17 13-15
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13
exact/norm bonds :
2-3 2-7 3-4 4-5 4-14 5-6 5-16 6-7 7-19 8-9 8-13 9-10 10-11 10-19
11-12 12-13 12-17 13-15

G1:CH3,Et,H

Match level :
2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 19:CLASS

L8 STRUCTURE UPLOADED

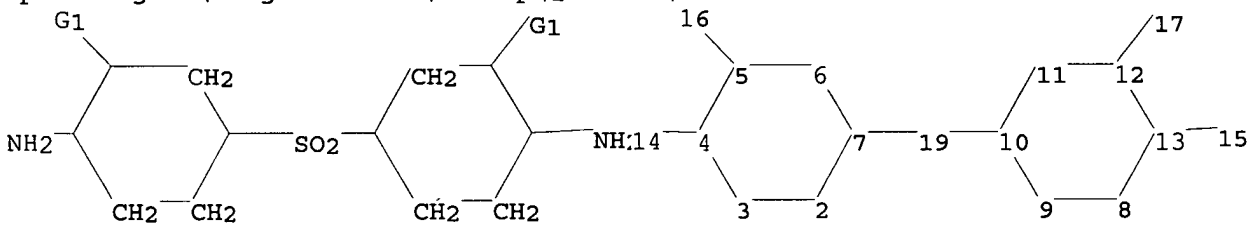
=> d l8
L8 HAS NO ANSWERS
L8 STR



G1 Me,Et,H

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 2c.str



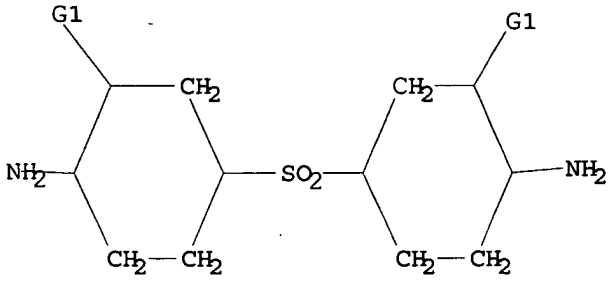
chain nodes :
14 15 16 17 19
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13
chain bonds :
4-14 5-16 7-19 10-19 12-17 13-15
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13
exact/norm bonds :
2-3 2-7 3-4 4-5 4-14 5-6 5-16 6-7 8-9 8-13 9-10 10-11 11-12 12-13
12-17 13-15
exact bonds :
7-19 10-19

G1:CH3,Et,H

Match level :
2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 19:CLASS

L9 STRUCTURE UPLOADED

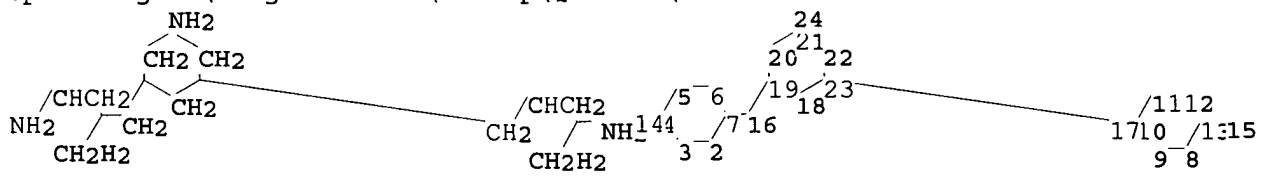
=> d l9
L9 HAS NO ANSWERS
L9 STR



G1 Me,Et,H

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 3a.str



chain nodes :
14 15 16 17 24
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13 18 19 20 21 22 23
chain bonds :
4-14 7-16 10-17 13-15 16-19 17-23 21-24
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 18-19 18-23
19-20 20-21 21-22 22-23
exact/norm bonds :
2-3 2-7 3-4 4-5 4-14 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 13-15
18-19 18-23 19-20 20-21 21-22 21-24 22-23
exact bonds :
7-16 10-17 16-19 17-23

G1:CH3,Et,H

Match level :
2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS

L10 STRUCTURE UPLOADED

=> d l10

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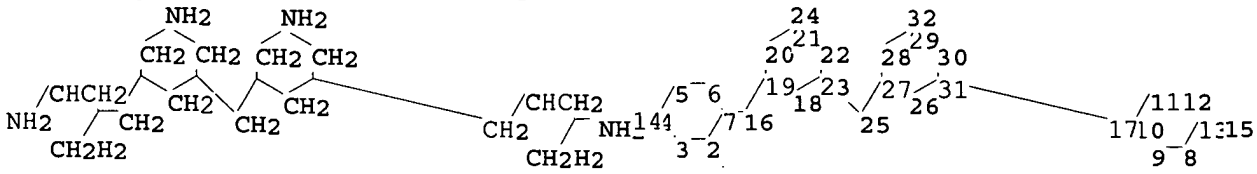
L10 HAS NO ANSWERS
L10 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 3b.str



chain nodes :
14 15 16 17 24 25 32
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13 18 19 20 21 22 23 26 27 28 29 30
31
chain bonds :
4-14 7-16 10-17 13-15 16-19 17-31 21-24 23-25 25-27 29-32
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 18-19 18-23
19-20 20-21 21-22 22-23 26-27 26-31 27-28 28-29 29-30 30-31
exact/norm bonds :
2-3 2-7 3-4 4-5 4-14 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 13-15
18-19 18-23 19-20 20-21 21-22 21-24 22-23 26-27 26-31 27-28 28-29 29-30
29-32 30-31
exact bonds :
7-16 10-17 16-19 17-31 23-25 25-27

G1:CH3,Et,H

Match level :
2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:CLASS

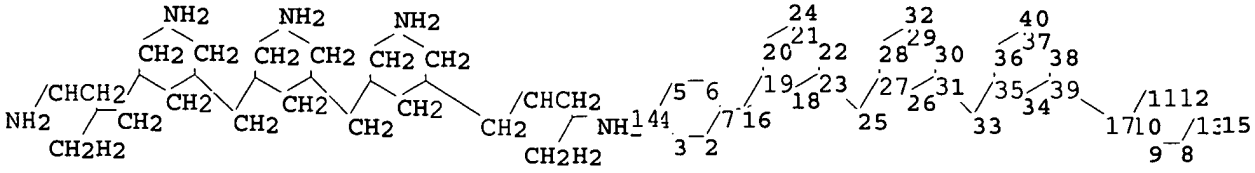
L11 STRUCTURE UPLOADED

=> d l11
L11 HAS NO ANSWERS
L11 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 3c.str



chain nodes :
14 15 16 17 24 25 32 33 40
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13 18 19 20 21 22 23 26 27 28 29 30 31 34 35 36 37 38 39
chain bonds :
4-14 7-16 10-17 13-15 16-19 17-39 21-24 23-25 25-27 29-32 31-33 33-35 37-40
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 18-19 18-23 19-20 20-21 21-22 22-23 26-27 26-31 27-28 28-29 29-30 30-31 34-35 34-39 35-36 36-37 37-38 38-39
exact/norm bonds :
2-3 2-7 3-4 4-5 4-14 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 13-15 18-19 18-23 19-20 20-21 21-22 21-24 22-23 26-27 26-31 27-28 28-29 29-30 29-32 30-31 34-35 34-39 35-36 36-37 37-38 37-40 38-39
exact bonds :
7-16 10-17 16-19 17-39 23-25 25-27 31-33 33-35

G1:CH3,Et,H

Match level :
2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:CLASS 33:CLASS 34:CLASS 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:CLASS

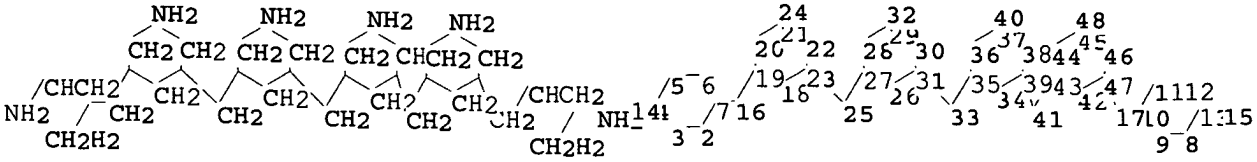
L12 STRUCTURE UPLOADED

=> d l12
L12 HAS NO ANSWERS
L12 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 3d.str



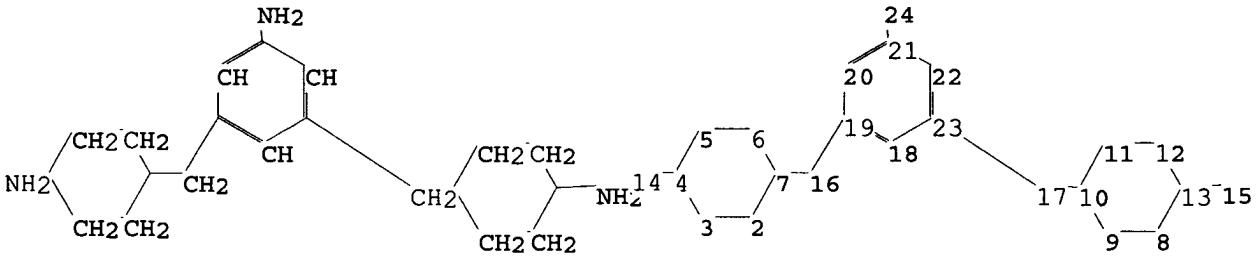
chain nodes :
14 15 16 17 24 25 32 33 40 41 48
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13 18 19 20 21 22 23 26 27 28 29 30
31 34 35 36 37 38 39 42 43 44 45 46 47
chain bonds :
4-14 7-16 10-17 13-15 16-19 17-47 21-24 23-25 25-27 29-32 31-33 33-35
37-40 39-41 41-43 45-48
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 18-19 18-23
19-20 20-21 21-22 22-23 26-27 26-31 27-28 28-29 29-30 30-31 34-35 34-39
35-36 36-37 37-38 38-39 42-43 42-47 43-44 44-45 45-46 46-47
exact/norm bonds :
2-3 2-7 3-4 4-5 4-14 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 13-15
18-19 18-23 19-20 20-21 21-22 21-24 22-23 26-27 26-31 27-28 28-29 29-30
29-32 30-31 34-35 34-39 35-36 36-37 37-38 37-40 38-39 42-43 42-47 43-44
44-45 45-46 45-48 46-47
exact bonds :
7-16 10-17 16-19 17-47 23-25 25-27 31-33 33-35 39-41 41-43

G1:CH3,Et,H

Match level :
2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:CLASS 33:CLASS 34:CLASS 35:Atom 36:Atom 37:Atom
38:Atom 39:Atom 40:CLASS 41:CLASS 42:CLASS 43:Atom 44:Atom 45:Atom 46:Atom
47:Atom 48:CLASS

L13 STRUCTURE UPLOADED

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 4a.str



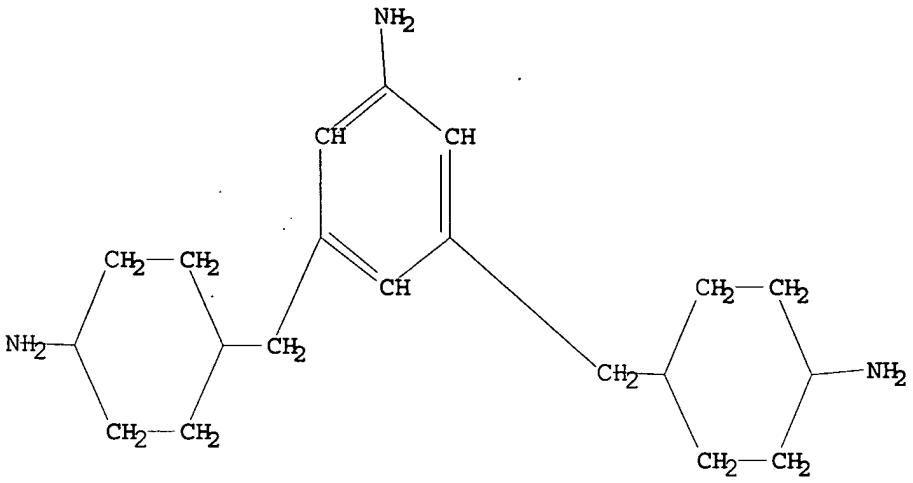
chain nodes :
14 15 16 17 24
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13 18 19 20 21 22 23
chain bonds :
4-14 7-16 10-17 13-15 16-19 17-23 21-24
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 18-19 18-23
19-20 20-21 21-22 22-23
exact/norm bonds :
2-3 2-7 3-4 4-5 4-14 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 13-15
21-24
exact bonds :
7-16 10-17 16-19 17-23
normalized bonds :
18-19 18-23 19-20 20-21 21-22 22-23

G1:CH3,Et,H

Match level :
2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS

L14 STRUCTURE UPLOADED

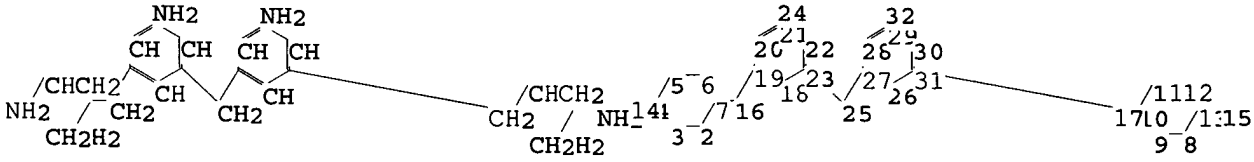
=> d l14
L14 HAS NO ANSWERS
L14 STR



G1 Me,Et,H

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 4b.str



chain nodes :
14 15 16 17 24 25 32
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13 18 19 20 21 22 23 26 27 28 29 30 31
chain bonds :
4-14 7-16 10-17 13-15 16-19 17-31 21-24 23-25 25-27 29-32
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 18-19 18-23 19-20 20-21 21-22 22-23 26-27 26-31 27-28 28-29 29-30 30-31
exact/norm bonds :
2-3 2-7 3-4 4-5 4-14 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 13-15 21-24 29-32
exact bonds :
7-16 10-17 16-19 17-31 23-25 25-27
normalized bonds :
18-19 18-23 19-20 20-21 21-22 22-23 26-27 26-31 27-28 28-29 29-30 30-31

G1:CH3,Et,H

Match level :
2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:CLASS

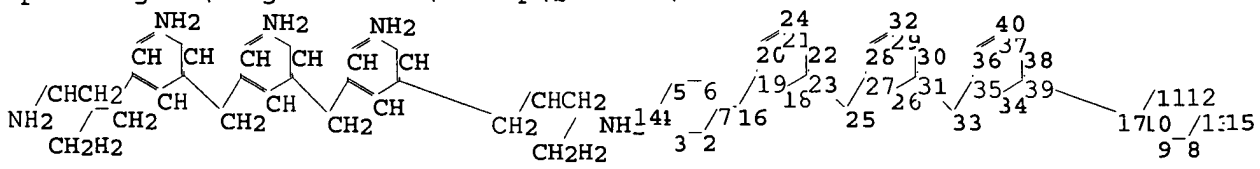
L15 STRUCTURE UPLOADED

=> d l15
L15 HAS NO ANSWERS
L15 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 4c.str



chain nodes :
14 15 16 17 24 25 32 33 40
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13 18 19 20 21 22 23 26 27 28 29 30 31 34 35 36 37 38 39
chain bonds :
4-14 7-16 10-17 13-15 16-19 17-39 21-24 23-25 25-27 29-32 31-33 33-35 37-40
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 18-19 18-23 19-20 20-21 21-22 22-23 26-27 26-31 27-28 28-29 29-30 30-31 34-35 34-39 35-36 36-37 37-38 38-39
exact/norm bonds :
2-3 2-7 3-4 4-5 4-14 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 13-15 21-24 29-32 37-40
exact bonds :
7-16 10-17 16-19 17-39 23-25 25-27 31-33 33-35
normalized bonds :
18-19 18-23 19-20 20-21 21-22 22-23 26-27 26-31 27-28 28-29 29-30 30-31 34-35 34-39 35-36 36-37 37-38 38-39

G1:CH3,Et,H

Match level :
2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom 12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom 20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:Atom 28:Atom 29:Atom 30:Atom 31:Atom 32:CLASS 33:CLASS 34:CLASS 35:Atom 36:Atom 37:Atom 38:Atom 39:Atom 40:CLASS

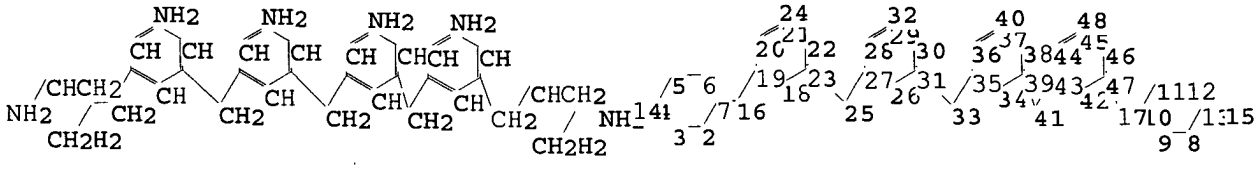
L16 STRUCTURE UPLOADED

=> d l16
L16 HAS NO ANSWERS
L16 STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=>
Uploading C:\Program Files\Stnexp\Queries\10615694 4d.str



chain nodes :
14 15 16 17 24 25 32 33 40 41 48
ring nodes :
2 3 4 5 6 7 8 9 10 11 12 13 18 19 20 21 22 23 26 27 28 29 30
31 34 35 36 37 38 39 42 43 44 45 46 47
chain bonds :
4-14 7-16 10-17 13-15 16-19 17-47 21-24 23-25 25-27 29-32 31-33 33-35
37-40 39-41 41-43 45-48
ring bonds :
2-3 2-7 3-4 4-5 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 18-19 18-23
19-20 20-21 21-22 22-23 26-27 26-31 27-28 28-29 29-30 30-31 34-35 34-39
35-36 36-37 37-38 38-39 42-43 42-47 43-44 44-45 45-46 46-47
exact/norm bonds :
2-3 2-7 3-4 4-5 4-14 5-6 6-7 8-9 8-13 9-10 10-11 11-12 12-13 13-15
21-24 29-32 37-40 45-48
exact bonds :
7-16 10-17 16-19 17-47 23-25 25-27 31-33 33-35 39-41 41-43
normalized bonds :
18-19 18-23 19-20 20-21 21-22 22-23 26-27 26-31 27-28 28-29 29-30 30-31
34-35 34-39 35-36 36-37 37-38 38-39 42-43 42-47 43-44 44-45 45-46 46-47

G1:CH3,Et,H

Match level :
2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom 11:Atom
12:Atom 13:Atom 14:CLASS 15:CLASS 16:CLASS 17:CLASS 18:CLASS 19:Atom
20:Atom 21:Atom 22:Atom 23:Atom 24:CLASS 25:CLASS 26:CLASS 27:Atom 28:Atom
29:Atom 30:Atom 31:Atom 32:CLASS 33:CLASS 34:CLASS 35:Atom 36:Atom 37:Atom
38:Atom 39:Atom 40:CLASS 41:CLASS 42:CLASS 43:Atom 44:Atom 45:Atom 46:Atom
47:Atom 48:CLASS

L17 STRUCTURE UPLOADED

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```
=> d l17
L17 HAS NO ANSWERS
L17             STR

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.


=> s sam (l1 or l2 or l3 or l4 or l5 or l6 or l7 or l8 or l9 or l10 or l11 or l12
or l13 or l14 or l15 or l16 or l17)
SAMPLE SEARCH INITIATED 16:19:12 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  61276 TO ITERATE

  1.6% PROCESSED    1000 ITERATIONS                                3 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:      EXCEEDS 1000000
PROJECTED ANSWERS:         EXCEEDS    2863

L18           3 SEA SSS SAM (L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7 OR L8 OR L9

=> s sam l1
SAMPLE SEARCH INITIATED 16:19:29 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  15382 TO ITERATE

  6.5% PROCESSED    1000 ITERATIONS                                2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:      300213 TO   315067
PROJECTED ANSWERS:            283 TO      947

L19           2 SEA SSS SAM L1

=> s sam l2
SAMPLE SEARCH INITIATED 16:19:34 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  15382 TO ITERATE

  6.5% PROCESSED    1000 ITERATIONS                                2 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:      300213 TO   315067
PROJECTED ANSWERS:            283 TO      947

L20           2 SEA SSS SAM L2

=> s sam l3
SAMPLE SEARCH INITIATED 16:19:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  21368 TO ITERATE

  4.7% PROCESSED    1000 ITERATIONS                                1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01
```

10615694 2/15/05

```
FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       418613 TO   436107
PROJECTED ANSWERS:             150 TO      704

L21           1 SEA SSS SAM L3

=> s sam l4
SAMPLE SEARCH INITIATED 16:19:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  21368 TO ITERATE

  4.7% PROCESSED    1000 ITERATIONS                                 1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       418613 TO   436107
PROJECTED ANSWERS:             150 TO      704

L22           1 SEA SSS SAM L4

=> s sam l5
SAMPLE SEARCH INITIATED 16:19:46 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  21368 TO ITERATE

  4.7% PROCESSED    1000 ITERATIONS                                 1 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       418613 TO   436107
PROJECTED ANSWERS:             150 TO      704

L23           1 SEA SSS SAM L5

=> s sam l6
SAMPLE SEARCH INITIATED 16:19:50 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  28012 TO ITERATE

  3.6% PROCESSED    1000 ITERATIONS                                 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       550233 TO   570247
PROJECTED ANSWERS:               0 TO        0

L24           0 SEA SSS SAM L6

=> s sam l7
SAMPLE SEARCH INITIATED 16:19:57 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   6473 TO ITERATE

 15.4% PROCESSED    1000 ITERATIONS                                13 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
```

```
PROJECTED ITERATIONS:       124637 TO   134283
PROJECTED ANSWERS:            1132 TO     2232

L25          13 SEA SSS SAM L7

=> s sam l8
SAMPLE SEARCH INITIATED 16:20:01 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   4857 TO ITERATE

 20.6% PROCESSED    1000 ITERATIONS                                 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       92961 TO   101319
PROJECTED ANSWERS:              0 TO        0

L26          0 SEA SSS SAM L8

=> s sam l9
SAMPLE SEARCH INITIATED 16:20:04 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    723 TO ITERATE

100.0% PROCESSED     723 ITERATIONS                                 2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       12847 TO    16073
PROJECTED ANSWERS:              2 TO      124

L27          2 SEA SSS SAM L9

=> s sam l10
SAMPLE SEARCH INITIATED 16:20:08 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     27 TO ITERATE

100.0% PROCESSED      27 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:         229 TO      851
PROJECTED ANSWERS:              0 TO        0

L28          0 SEA SSS SAM L10

=> s sam l11
SAMPLE SEARCH INITIATED 16:20:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -     17 TO ITERATE

100.0% PROCESSED      17 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          93 TO      587
PROJECTED ANSWERS:              0 TO        0

L29          0 SEA SSS SAM L11

=> s sam l12
```

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```
SAMPLE SEARCH INITIATED 16:20:14 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       4 TO ITERATE

100.0% PROCESSED        4 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            4 TO      200
PROJECTED ANSWERS:               0 TO        0

L30           0 SEA SSS SAM L12

=> s sam l13
SAMPLE SEARCH INITIATED 16:20:17 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       8 TO ITERATE

100.0% PROCESSED        8 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            8 TO      329
PROJECTED ANSWERS:               0 TO        0

L31           0 SEA SSS SAM L13

=> s sam l14
SAMPLE SEARCH INITIATED 16:20:22 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      20 TO ITERATE

100.0% PROCESSED       20 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          132 TO      668
PROJECTED ANSWERS:               0 TO        0

L32           0 SEA SSS SAM L14

=> s sam l15
SAMPLE SEARCH INITIATED 16:20:26 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      12 TO ITERATE

100.0% PROCESSED       12 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:           33 TO      447
PROJECTED ANSWERS:               0 TO        0

L33           0 SEA SSS SAM L15

=> s sam l16
SAMPLE SEARCH INITIATED 16:20:28 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -       3 TO ITERATE

100.0% PROCESSED        3 ITERATIONS                                  0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
```

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```
                         BATCH    **COMPLETE**
PROJECTED ITERATIONS:             3 TO      163
PROJECTED ANSWERS:                0 TO        0

L34           0 SEA SSS SAM L16

=> s sam l17
SAMPLE SEARCH INITIATED 16:20:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      4 TO ITERATE

100.0% PROCESSED       4 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:             4 TO      200
PROJECTED ANSWERS:                0 TO        0

L35           0 SEA SSS SAM L17

=> s full l1
FULL SEARCH INITIATED 16:20:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 310971 TO ITERATE

100.0% PROCESSED  310971 ITERATIONS                             390 ANSWERS
SEARCH TIME: 00.00.02

L36         390 SEA SSS FUL L1

=> s full l2
FULL SEARCH INITIATED 16:20:41 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 310971 TO ITERATE

100.0% PROCESSED  310971 ITERATIONS                             421 ANSWERS
SEARCH TIME: 00.00.02

L37         421 SEA SSS FUL L2

=> s full l3
FULL SEARCH INITIATED 16:20:47 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 429126 TO ITERATE

 93.2% PROCESSED  400000 ITERATIONS                             131 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS:  ONLINE   **INCOMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:       429126 TO   429126
PROJECTED ANSWERS:             131 TO      175

L38         131 SEA SSS FUL L3

=> s full l4
FULL SEARCH INITIATED 16:20:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 429126 TO ITERATE

 93.2% PROCESSED  400000 ITERATIONS                             183 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS:  ONLINE   **INCOMPLETE**
                        BATCH    **COMPLETE**
```

```
PROJECTED ITERATIONS:       429126 TO   429126
PROJECTED ANSWERS:             183 TO      238

L39         183 SEA SSS FUL L4

=> s full l5
FULL SEARCH INITIATED 16:21:00 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 429126 TO ITERATE

 93.2% PROCESSED  400000 ITERATIONS                          218 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       429126 TO   429126
PROJECTED ANSWERS:             218 TO      278

L40         218 SEA SSS FUL L5

=> s full l6
FULL SEARCH INITIATED 16:21:20 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 563587 TO ITERATE

 71.0% PROCESSED  400000 ITERATIONS                          220 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.04

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       563587 TO   563587
PROJECTED ANSWERS:             257 TO      361

L41         220 SEA SSS FUL L6

=> s full l7
FULL SEARCH INITIATED 16:21:28 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 130033 TO ITERATE

100.0% PROCESSED  130033 ITERATIONS                        1517 ANSWERS
SEARCH TIME: 00.00.01

L42        1517 SEA SSS FUL L7

=> s full l8
FULL SEARCH INITIATED 16:21:33 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  96964 TO ITERATE

100.0% PROCESSED   96964 ITERATIONS                          33 ANSWERS
SEARCH TIME: 00.00.01

L43          33 SEA SSS FUL L8

=> s full l9
FULL SEARCH INITIATED 16:21:37 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -  14211 TO ITERATE

100.0% PROCESSED   14211 ITERATIONS                           5 ANSWERS
SEARCH TIME: 00.00.01

L44           5 SEA SSS FUL L9

=> s full l10
```

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FULL SEARCH INITIATED 16:21:44 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 359 TO ITERATE

100.0% PROCESSED 359 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L45 0 SEA SSS FUL L10

=> s full l11
FULL SEARCH INITIATED 16:21:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 292 TO ITERATE

100.0% PROCESSED 292 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L46 0 SEA SSS FUL L11

=> s full l12
FULL SEARCH INITIATED 16:21:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 86 TO ITERATE

100.0% PROCESSED 86 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L47 0 SEA SSS FUL L12

=> s full l13
FULL SEARCH INITIATED 16:21:58 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 182 TO ITERATE

100.0% PROCESSED 182 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L48 0 SEA SSS FUL L13

=> s full l14
FULL SEARCH INITIATED 16:22:01 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 294 TO ITERATE

100.0% PROCESSED 294 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L49 0 SEA SSS FUL L14

=> s full l15
FULL SEARCH INITIATED 16:22:06 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 253 TO ITERATE

100.0% PROCESSED 253 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L50 0 SEA SSS FUL L15

=> s full l16
FULL SEARCH INITIATED 16:22:08 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 140 TO ITERATE

100.0% PROCESSED 140 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L51 0 SEA SSS FUL L16

=> s full l17

10615694 2/15/05

FULL SEARCH INITIATED 16:22:13 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 174 TO ITERATE

100.0% PROCESSED 174 ITERATIONS 0 ANSWERS
SEARCH TIME: 00.00.01

L52 0 SEA SSS FUL L17

=> file caplus
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 2743.90 2744.11

FILE 'CAPLUS' ENTERED AT 16:22:24 ON 15 FEB 2005
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 15 Feb 2005 VOL 142 ISS 8
FILE LAST UPDATED: 14 Feb 2005 (20050214/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s (136 or 137 or 138 or 139 or 140 or 141 or 142 or 143 or 144 or 145 or 146 or 147 or 148 or 149 or 150 or 151 or 152)
2037 L36
2035 L37
137 L38
154 L39
253 L40
182 L41
2673 L42
12 L43
3 L44
0 L45
0 L46
0 L47
0 L48
0 L49
0 L50
0 L51
0 L52
L53 5038 (L36 OR L37 OR L38 OR L39 OR L40 OR L41 OR L42 OR L43 OR L44 OR L45 OR L46 OR L47 OR L48 OR L49 OR L50 OR L51 OR L52)

=> s l53 and (ketone or ketimine or diketimine or polyketimine)
137872 KETONE
112328 KETONES
200999 KETONE
(KETONE OR KETONES)

```
          2092 KETIMINE
          1303 KETIMINES
          2611 KETIMINE
                 (KETIMINE OR KETIMINES)
           172 DIKETIMINE
            61 DIKETIMINES
           204 DIKETIMINE
                 (DIKETIMINE OR DIKETIMINES)
            36 POLYKETIMINE
            19 POLYKETIMINES
            42 POLYKETIMINE
                 (POLYKETIMINE OR POLYKETIMINES)
L54          202 L53 AND (KETONE OR KETIMINE OR DIKETIMINE OR POLYKETIMINE)

=> l54 and (epox? or polyepox? or diepox? or diglycidyl? or polyglycidyl? or
glycidylether or glycidylether?)
L54 IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s (l54 and (epox? or polyepox? or diepox? or diglycidyl? or polyglycidyl? or
glycidylether or glycidylether?))
        294154 EPOX?
          4365 POLYEPOX?
          5861 DIEPOX?
         16833 DIGLYCIDYL?
          2189 POLYGLYCIDYL?
            32 GLYCIDYLETHER
             2 GLYCIDYLETHERS
            34 GLYCIDYLETHER
                 (GLYCIDYLETHER OR GLYCIDYLETHERS)
            36 GLYCIDYLETHER?
L55         27 (L54 AND (EPOX? OR POLYEPOX? OR DIEPOX? OR DIGLYCIDYL? OR POLYGL
               YCIDYL? OR GLYCIDYLETHER OR GLYCIDYLETHER?))

=> s l55 and (ketimine or diketimine or triketimine or polyketimine)
          2092 KETIMINE
          1303 KETIMINES
          2611 KETIMINE
                 (KETIMINE OR KETIMINES)
           172 DIKETIMINE
            61 DIKETIMINES
           204 DIKETIMINE
                 (DIKETIMINE OR DIKETIMINES)
             3 TRIKETIMINE
             1 TRIKETIMINES
             4 TRIKETIMINE
                 (TRIKETIMINE OR TRIKETIMINES)
            36 POLYKETIMINE
            19 POLYKETIMINES
            42 POLYKETIMINE
                 (POLYKETIMINE OR POLYKETIMINES)
L56          6 L55 AND (KETIMINE OR DIKETIMINE OR TRIKETIMINE OR POLYKETIMINE)

=> d l56 abs ibib hitstr 1

L56  ANSWER 1 OF 6  CAPLUS  COPYRIGHT 2005 ACS on STN
AB   The composition comprises a polyepoxide compound and a ketimine
     derived from the condensation reaction of an amine having ≥2
     primary amino groups directed bonded to a cyclohexane ring and an aliphatic
     ketone.  Thus, a composition comprising ketimine prepared from
     1,2-diaminocyclohexane and 4-methyl-2-pentanone 6.7, xylene 3 and
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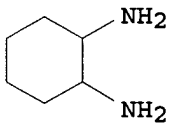
bisphenol A **diglycidyl** ether 19 parts showed initial viscosity 165 mPa-s, and 14 days required for twice higher the initial viscosity and 40 days required for three times higher the initial viscosity.

ACCESSION NUMBER: 2005:34641 CAPLUS
DOCUMENT NUMBER: 142:115129
TITLE: Curable **epoxy** resin compositions for adhesives, sealants and coatings with longer pot life
INVENTOR(S): Chiba, Yasuo; Morimoto, Hiroya; Yokomakura, Masahiro
PATENT ASSIGNEE(S): Japan
SOURCE: U.S. Pat. Appl. Publ., 9 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005010022	A1	20050113	US 2003-615694	20030709
EP 1496075	A1	20050112	EP 2004-15949	20040707
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
JP 2005029797	A2	20050203	JP 2004-203420	20040709

PRIORITY APPLN. INFO.: US 2003-615694 A 20030709

IT **694-83-7DP**, 1,2-Diaminocyclohexane, reaction products with **ketones**
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(curing agent; curable **epoxy** resin compns. for adhesives, sealants and coatings with longer pot life)
RN 694-83-7 CAPLUS
CN 1,2-Cyclohexanediamine (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



=> d l56 abs ibib hitstr 2

L56 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AB The title amines, giving cured compns. forming clear films, are prepared from compds. bearing ≥2 NH2 groups, alkylene carbonates, aliphatic carbonyl compds., and compds. bearing ≥2 OH-reactive groups in specified ratios. Adding 1.0 mol ethylene carbonate over 1 h to 1.0 mol 1,6-hexanediamine in PhMe at 40-50°, heating at 50° until the amine number was <158, adding 2.0 mol MEK and 0.5 g MeC6H4SO3H, distilling H2O, adding 0.5 mol polypropylene glycol-based **diepoxy** resin (**epoxy** content 3125 mmol/kg), and heating at 120° until the **epoxy** content was <50 mmol/kg gave a blocked amine. Use of 76 g this product with 50 g aqueous **epoxy** resin (Beckopox EP 116) composition (**epoxy** content 5076 mmol/kg) in the formulation of a clear coating film is exemplified.

ACCESSION NUMBER: 1999:736300 CAPLUS
DOCUMENT NUMBER: 131:337884
TITLE: Blocked amines as curing agent for aqueous one-component **epoxy** resin compositions
INVENTOR(S): Feola, Roland; Muller, Friedrich; Gmoser, Johann

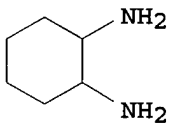
10615694 2/15/05

PATENT ASSIGNEE(S): Vianova Resins AG, Austria; Surface Specialties Austria GM
SOURCE: Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

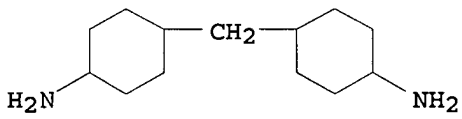
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 957121	A2	19991117	EP 1999-108940	19990505
EP 957121	A3	20020522		
EP 957121	B1	20040204		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 9800802	A	20001015	AT 1998-802	19980512
AT 407748	B	20010525		
AT 258944	E	20040215	AT 1999-108940	19990505
US 6207733	B1	20010327	US 1999-307974	19990510

PRIORITY APPLN. INFO.: AT 1998-802 A 19980512
EP 1999-108940 A 19990505

IT **694-83-7D**, 1,2-Cyclohexanediamine, reaction products with alkylene carbonates, **ketones** and **epoxy** resins
1761-71-3D, Bis(4-aminocyclohexyl)methane, reaction products with alkylene carbonates, **ketones** and **epoxy** resins
RL: MOA (Modifier or additive use); USES (Uses)
(blocked amines as curing agent for aqueous one-component **epoxy** resin compns.)
RN 694-83-7 CAPLUS
CN 1,2-Cyclohexanediamine (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



RN 1761-71-3 CAPLUS
CN Cyclohexanamine, 4,4'-methylenebis- (9CI) (CA INDEX NAME)



=> d l56 abs ibib hitstr 3

L56 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AB Title agents are obtained by reaction of (A) **ketone** resins with (B) amines H2N[R1(NH2)pNR2(R3NR4)m]R5 [R1 = (aromatic or heterocyclic ring-containing) C1-32 linear or branched alkylene, (alkyl-substituted) cycloalkylene; R2, R4 = H, C1-4 linear or branched alkyl; R3 = (OH-substituted) alkylene; R5 = H, (aromatic or heterocyclic ring-terminated) alkyl, cycloalkyl, cycloalkylalkylene; p, m = 0-1; n = 0-18] with a mol ratio of NH2 (amine) to CO (**ketone** resin) 1/3 to 3/1. Thus, reacting 136 g m-xylenediamine with 150 g an acetophenone-based

ketone resin (CO equivalent 150) gave 150 g a compound, 32 parts of which were blended with 100 parts EP 4100 (an **epoxy** resin) to show tack-free time 5 h at 23°, pot life 12 h, and good oil- and weather- resistance when applied on a soft steel plate.

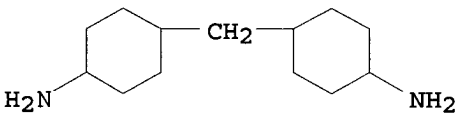
ACCESSION NUMBER: 1996:672175 CAPLUS
DOCUMENT NUMBER: 125:277661
TITLE: Crosslinking agents with long pot life and short crosslinking time for **epoxy** resins
INVENTOR(S): Akimoto, Koji; Hayano, Satoshi; Kusano, Shoji; Tsukada, Yasutada
PATENT ASSIGNEE(S): Asahi Denka Kogyo KK, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 08217858	A2	19960827	JP 1995-29780	19950217
JP 3526946	B2	20040517		

PRIORITY APPLN. INFO.: JP 1995-29780 19950217

IT **1761-71-3DP**, Bis(4-aminocyclohexyl)methane, reaction products with **ketone** resins
RL: IMF (Industrial manufacture); RCT (Reactant); PREP (Preparation); RACT (Reactant or reagent)
(crosslinking agents; **ketimine** crosslinking agents with long pot life for **epoxy** resins)

RN 1761-71-3 CAPLUS
CN Cyclohexanamine, 4,4'-methylenebis- (9CI) (CA INDEX NAME)



=> d l56 abs ibib hitstr 4

L56 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

AB The title resins, dispersible in H2O on protonation and useful in electrodip coatings, contain (A) reaction products of **epoxy** resins [number-average mol. weight (Mn) 300-6000, 1.5-3.0 **epoxy** groups/mol.] with **diketimines** from diprimary amines (and optionally a primary monoamine **ketimine**, a secondary amine optionally containing a tertiary amino group, and/or a **ketimine** of a primary/tertiary diamine) and (B) reaction products of **epoxy** resins (Mn 800-6000) with secondary amines (optionally bearing tertiary amino groups), **ketimines** of primary monoamines, and/or **ketimines** of primary-tertiary diamines. A mixture of 640 g reaction product of bisphenol A **diglycidyl** ether (I) 214.3, bisphenol A 48, 387:580:97 1,6-hexanediamine-dimer acid-linseed-oil fatty acid reaction product iso-BuCOMe **ketimine** 210.9, MeNHCH2CH2OH 3.22, and diethanolamine (II) 18 g; 233.3 g reaction product of I 121.3 and II 26.3 g; 322 g reaction product of trimethylolpropane 1340, urea 3600, Bu2NH 7740, 1,6-hexanediamine 1740, and 4,4'-methylenebis(2-methylcyclohexylamine) 3570 g in aqueous AcOH gave a pigmented coating (deposited at 320 V and baked 20 min at 170°) with impact deepening (ASTM D 2794) 18.08 N-m, surface appearance (1 best, 6 worst) 1, and

undercutting in climate cycling (VDA 621415) 1.5 mm.

ACCESSION NUMBER: 1989:214828 CAPLUS
DOCUMENT NUMBER: 110:214828
TITLE: Resins containing basic nitrogen for waterborne coatings
INVENTOR(S): Perner, Thomas; Osterloh, Rolf; Schupp, Eberhard; Schwerzel, Thomas; Ahlers, Klaas
PATENT ASSIGNEE(S): BASF Lacke und Farben A.-G., Fed. Rep. Ger.
SOURCE: Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 296494	A2	19881228	EP 1988-109640	19880616
EP 296494	A3	19900516		
EP 296494	B1	19930908		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL, SE				
DE 3720955	A1	19890105	DE 1987-3720955	19870625
AT 94183	E	19930915	AT 1988-109640	19880616
ES 2058184	T3	19941101	ES 1988-109640	19880616
US 4981884	A	19910101	US 1988-210502	19880623
BR 8803108	A	19890124	BR 1988-3108	19880624
JP 01022955	A2	19890125	JP 1988-155108	19880624
ZA 8804527	A	19900228	ZA 1988-4527	19880624

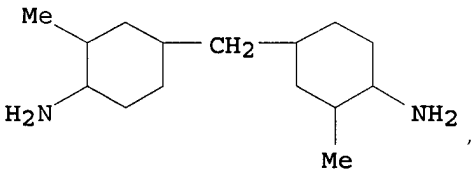
PRIORITY APPLN. INFO.: DE 1987-3720955 A 19870625
EP 1988-109640 A 19880616

IT **120658-95-9**
RL: MOA (Modifier or additive use); USES (Uses)
(crosslinking agents, for electrophoretic coatings)

RN 120658-95-9 CAPLUS
CN Urea, polymer with N-butyl-1-butanamine, 2-ethyl-2-(hydroxymethyl)-1,3-propanediol, 1,6-hexanediamine and 4,4'-methylenebis[2-methylcyclohexanamine] (9CI) (CA INDEX NAME)

CM 1

CRN 6864-37-5
CMF C15 H30 N2



CM 2

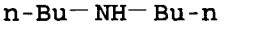
CRN 124-09-4
CMF C6 H16 N2

$H_2N-(CH_2)_6-NH_2$

10615694 2/15/05

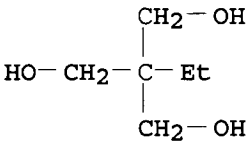
CM 3

CRN 111-92-2
CMF C8 H19 N



CM 4

CRN 77-99-6
CMF C6 H14 O3



CM 5

CRN 57-13-6
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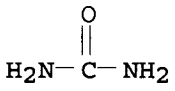


=> d l56 abs ibib hitstr 5

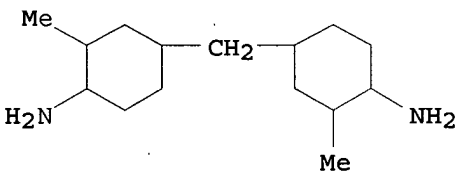
L56 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN

AB The title liquid materials contain (meth)acryloyl compound and C2-24 (cyclo)aliphatic primary amines [or their adducts (mol. weight 350-1500) with **epoxides**, isocyanates, or unsatd. carbonyl compds.] blocked by C≤10 aldehydes or **ketones.** Thus, a polymer solution (from xylene 3640, glycidyl methacrylate 1560, styrene 2807, and Bu acrylate 1872 g) 4252, acrylic acid 320.4, Cr(III) 2-ethylhexanoate 2.7, and hydroquinone 4.57 g were mixed, aerated at 110° to acid value <2, and mixed with 150 g xylene to give a 53.1% solution with acid value 0.9 and viscosity 170 cPa-s. An equiequiv. mixture of this solution and blocked amine (from dipropylenetriamine 196.5, iso-BuCOMe 330, and Epikote-828 297.7 g) was coated to 40 μ (dry basis) on steel to give a coating with tack-free time 2 h, Persoz hardness 104 and 213 after 1 and 7 days, and good resistance to MEK and gasoline.

ACCESSION NUMBER: 1987:215612 CAPLUS
DOCUMENT NUMBER: 106:215612
TITLE: Fast-drying discoloration-free coating materials
PATENT ASSIGNEE(S): AKZO N. V., Neth.
SOURCE: Jpn. Kokai Tokkyo Koho, 11 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 61252273	A2	19861110	JP 1986-68829	19860328
JP 05053186	B4	19930809		
EP 203296	A1	19861203	EP 1986-103844	19860320
EP 203296	B1	19890927		
EP 203296	B2	19970903		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 46712	E	19891015	AT 1986-103844	19860320
DK 8601385	A	19860930	DK 1986-1385	19860325
DK 172448	B1	19980713		
NO 8601222	A	19860930	NO 1986-1222	19860325
NO 175864	B	19940912		
NO 175864	C	19941221		
BR 8601354	A	19861202	BR 1986-1354	19860326
ES 553476	A1	19870601	ES 1986-553476	19860326
CA 1268889	A1	19900508	CA 1986-505213	19860326
CN 86101964	A	19860924	CN 1986-101964	19860327
CN 1010318	B	19901107		
FI 8601346	A	19860930	FI 1986-1346	19860327
FI 80468	B	19900228		
FI 80468	C	19900611		
AU 8655366	A1	19861002	AU 1986-55366	19860327
AU 584689	B2	19890601		
ZA 8602359	A	19861126	ZA 1986-2359	19860327
US 4990577	A	19910205	US 1989-309449	19890210
PRIORITY APPLN. INFO.:			NL 1985-952 A	19850329
			EP 1986-103844 A	19860320
			US 1986-844412 B1	19860326

IT **6864-37-5D**, 3,3'-Dimethyl-4,4'-diaminodicyclohexylmethane, reaction products with **ketones**
RL: USES (Uses)
(crosslinking agents for room temperature-curable acrylic coatings)
RN 6864-37-5 CAPLUS
CN Cyclohexanamine, 4,4'-methylenebis[2-methyl- (9CI) (CA INDEX NAME)



=> d l56 abs ibib hitstr 6

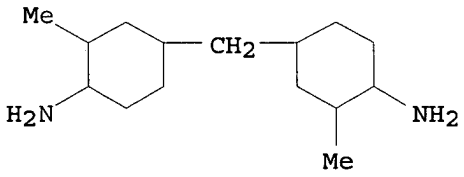
L56 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN
AB The reaction of an **epoxy** resin with a **diketimine** of a compound containing 2 primary amino groups and, optionally, with a secondary amine (optionally containing a tertiary amino group), a **ketimine** of a primary monoamine, and/or a **ketimine** of primary-tertiary diamine gives a resin which contains basic N-containing groups. The resin are treated with an acid and used in the preparation of water-thinned compns. suitable for cathodic deposition in the preparation of coatings. The cured coatings have good solvent resistance and salt-spray resistance. Thus, H2N(CH2)6MH2 232, dimerized fatty acids 290, and iso-BuCOMe 621 parts were used to prepared a **ketimine**. The reaction of 210.9 parts of this **ketimine** and 22.5 parts diethanolamine with 207.9 part bisphenol A-epichlorohydrin copolymer (I) having **epoxide** equivalent 485 and

54.3 parts I having **epoxide** equivalent 190 gave a resin containing basic nitrogen-containing groups. This resin, a blocked isocyanate, AcOH, and dibutyltin dilaurate were used with a pigment paste in preparation of coating compns. which were coated on Zn phosphate-treated steel by cathodic deposition and cured 20 min at 180°.

ACCESSION NUMBER: 1985:150998 CAPLUS
DOCUMENT NUMBER: 102:150998
TITLE: Synthetic resin containing basic nitrogen-containing groups and its use
INVENTOR(S): Schupp, Eberhard; Loch, Werner; Osterloh, Rolf; Ahlers, Klaas
PATENT ASSIGNEE(S): BASF Farben und Fasern A.-G., Fed. Rep. Ger.
SOURCE: Ger. Offen., 17 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 3325061	A1	19850124	DE 1983-3325061	19830712
EP 134983	A1	19850327	EP 1984-107958	19840706
EP 134983	B1	19870603		
R: AT, BE, CH, DE, FR, GB, IT, LI, NL, SE				
AT 27608	E	19870615	AT 1984-107958	19840706
ZA 8405328	A	19850327	ZA 1984-5328	19840710
BR 8403432	A	19850625	BR 1984-3432	19840710
JP 60063223	A2	19850411	JP 1984-142507	19840711
JP 04049843	B4	19920812		
ES 534228	A1	19850416	ES 1984-534228	19840711
US 4557814	A	19851210	US 1984-629762	19840711
CA 1232099	A1	19880126	CA 1984-458661	19840711
PRIORITY APPLN. INFO.:			DE 1983-3325061 A	19830712
			EP 1984-107958 A	19840706

IT **6864-37-5D**, reaction products with urea
RL: USES (Uses)
(hardeners, for **epoxy** resin-**ketimine** reaction products in coatings)
RN 6864-37-5 CAPLUS
CN Cyclohexanamine, 4,4'-methylenebis[2-methyl- (9CI) (CA INDEX NAME)



=> s l55 and ketone and blocked and (polyamine or diamine or triamine)
137872 KETONE
112328 KETONES
200999 KETONE
(KETONE OR KETONES)
137757 BLOCKED
1 BLOCKEDS
137757 BLOCKED
(BLOCKED OR BLOCKEDS)
31476 POLYAMINE

```
         33319 POLYAMINES
         45012 POLYAMINE
                 (POLYAMINE OR POLYAMINES)
         41487 DIAMINE
         25587 DIAMINES
         57405 DIAMINE
                 (DIAMINE OR DIAMINES)
          4026 TRIAMINE
           852 TRIAMINES
          4607 TRIAMINE
                 (TRIAMINE OR TRIAMINES)
L57         3 L55 AND KETONE AND BLOCKED AND (POLYAMINE OR DIAMINE OR TRIAMINE
              )

=> d l57 abs ibib hitstr 1

L57  ANSWER 1 OF 3  CAPLUS  COPYRIGHT 2005 ACS on STN
GI
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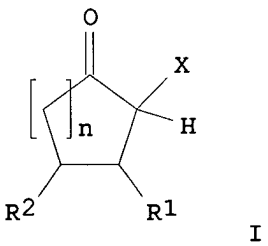


I

AB **Blocked** polyurethanes that form reactive systems with organic compds. having ≥2 amine groups and, optionally, **epoxides** having >1 **epoxide** group are manufactured by reaction of ≥1 polyisocyanate with ≥1 polyol and blocking the excess NCO groups with activated **ketones** I [X = electron-withdrawing group, R1, R2 = H or C≥12 (un)saturated, or (cyclo)aliphatic groups and (substituted) aromatic or (substituted) araliph. groups, optionally containing ≤3 O, S, or N atoms, n = 0-5] in the optionally presence of a catalyst. These **blocked** polyurethanes have lower viscosity and form cured products with no low-mol.-weight compds. resulting from the deblocking during curing. A typical **blocked** polyurethane was manufactured by rapidly adding 74.17 g 2,4-tolylene diisocyanate to 852.58 g Acclaim 4200 at 60°, stirring at 60° until the NCO content is 1.93%, adding 1 g Zn 2-ethylhexanoate and 73.25 g Et cyclopentanone-2-carboxylate, and stirring at 50° until the NCO content was 0.1%.

ACCESSION NUMBER: 2004:525942 CAPLUS
DOCUMENT NUMBER: 141:89883
TITLE: Reactive **blocked** polyurethanes
INVENTOR(S): Simon, Joachim; Karlou-eyrisch, Kamelia; Guertler, Christoph; Mager, Michael; Schelhaas, Michael; Stingl, Thomas
PATENT ASSIGNEE(S): Bayer Ag, Germany
SOURCE: Ger. Offen., 14 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE

DE 10260299 A1 20040701 DE 2002-10260299 20021220
WO 2004058849 A1 20040715 WO 2003-EP13833 20031206
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
US 2004147704 A1 20040729 US 2003-738742 20031217
PRIORITY APPLN. INFO.: DE 2002-10260299 A 20021220

IT **713541-91-4P**, Acclaim 4200-ethyl cyclopentanone-2-carboxylate-Laromin C260-2,4-tolylene diisocyanate copolymer **713541-92-5P**, Acclaim 2200-ethyl cyclopentanone-2-carboxylate-Laromin C260-2,4-tolylene diisocyanate copolymer **713541-93-6P**, Acclaim 1000-ethyl cyclopentanone-2-carboxylate-Laromin C260-2,4-tolylene diisocyanate copolymer **713541-94-7P**, Acclaim 3201-ethyl cyclopentanone-2-carboxylate-Laromin C260-2,4-tolylene diisocyanate copolymer **713541-95-8P**, Ethyl cyclopentanone-2-carboxylate-ethylene oxide-Laromin C260-2,4-propylene oxide-tolylene diisocyanate copolymer **713541-96-9P**, Acclaim 8200-ethyl cyclopentanone-2-carboxylate-Laromin C260-2,4-tolylene diisocyanate copolymer **713541-97-0P**, Acclaim 12200-ethyl cyclopentanone-2-carboxylate-Laromin C260-2,4-tolylene diisocyanate copolymer **713541-98-1P**, Acclaim 2200-ethyl cyclohexanone-2-carboxylate-Laromin C260-2,4-tolylene diisocyanate copolymer **713541-99-2P**, Acclaim 4200-ethyl cyclohexanone-2-carboxylate-Laromin C260-2,4-tolylene diisocyanate copolymer **713542-00-8P**, Ethyl cyclohexanone-2-carboxylate-Laromin C260-polypropylene glycol trimethylolpropane ether-TDI copolymer **714248-43-8P**, Ethylene oxide-propylene oxide copolymer glycerol ether-ethyl cyclopentanone-2-carboxylate-Laromin C260-2,4-tolylene diisocyanate copolymer
RL: IMF (Industrial manufacture); PREP (Preparation)
(cured sample; reactive **blocked** polyurethanes prepared with activated cyclic **ketones** as blocking agents)

RN 713541-91-4 CAPLUS

CN Cyclopentanecarboxylic acid, 2-oxo-, ethyl ester, polymer with Acclaim 4200, 2,4-diisocyanato-1-methylbenzene and 4,4'-methylenebis[2-methylcyclohexanamine] (9CI) (CA INDEX NAME)

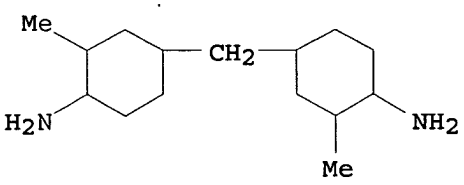
CM 1

CRN 188571-36-0
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

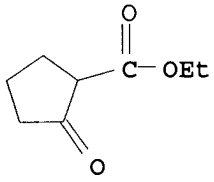
CM 2

CRN 6864-37-5
CMF C15 H30 N2



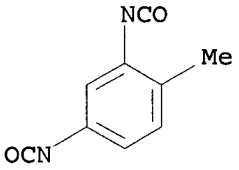
CM 3

CRN 611-10-9
CMF C8 H12 O3



CM 4

CRN 584-84-9
CMF C9 H6 N2 O2



RN 713541-92-5 CAPLUS
CN Cyclopentanecarboxylic acid, 2-oxo-, ethyl ester, polymer with Acclaim 2200, 2,4-diisocyanato-1-methylbenzene and 4,4'-methylenebis[2-methylcyclohexanamine] (9CI) (CA INDEX NAME)

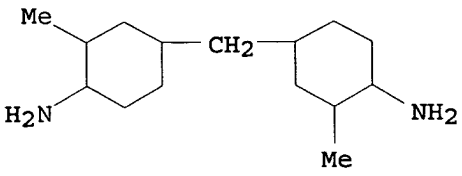
CM 1

CRN 188571-34-8
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

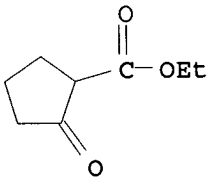
CM 2

CRN 6864-37-5
CMF C15 H30 N2



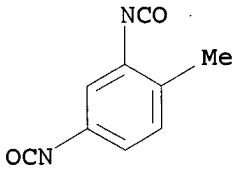
CM 3

CRN 611-10-9
CMF C8 H12 O3



CM 4

CRN 584-84-9
CMF C9 H6 N2 O2



RN 713541-93-6 CAPLUS
CN Cyclopentanecarboxylic acid, 2-oxo-, ethyl ester, polymer with Acclaim 1000, 2,4-diisocyanato-1-methylbenzene and 4,4'-methylenebis[2-methylcyclohexanamine] (9CI) (CA INDEX NAME)

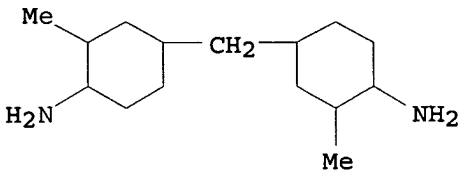
CM 1

CRN 694464-11-4
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

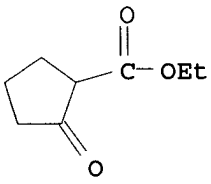
CM 2

CRN 6864-37-5
CMF C15 H30 N2



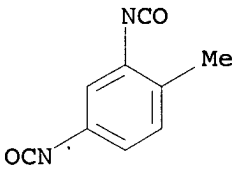
CM 3

CRN 611-10-9
CMF C8 H12 O3



CM 4

CRN 584-84-9
CMF C9 H6 N2 O2



RN 713541-94-7 CAPLUS
CN Cyclopentanecarboxylic acid, 2-oxo-, ethyl ester, polymer with Acclaim 3201, 2,4-diisocyanato-1-methylbenzene and 4,4'-methylenebis[2-methylcyclohexanamine] (9CI) (CA INDEX NAME)

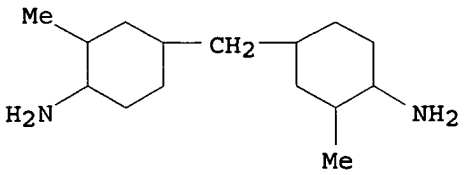
CM 1

CRN 188571-35-9
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

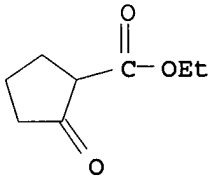
CM 2

CRN 6864-37-5
CMF C15 H30 N2



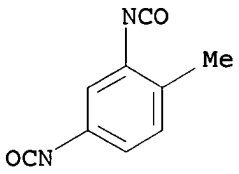
CM 3

CRN 611-10-9
CMF C8 H12 O3



CM 4

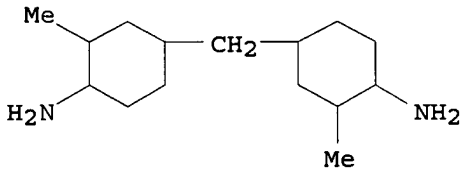
CRN 584-84-9
CMF C9 H6 N2 O2



RN 713541-95-8 CAPLUS
CN Cyclopentanecarboxylic acid, 2-oxo-, ethyl ester, polymer with 2,4-diisocyanato-1-methylbenzene, 4,4'-methylenebis[2-methylcyclohexanamine] and oxirane (9CI) (CA INDEX NAME)

CM 1

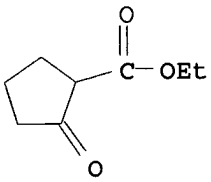
CRN 6864-37-5
CMF C15 H30 N2



CM 2

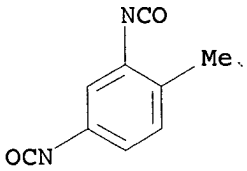
CRN 611-10-9

CMF C8 H12 O3



CM 3

CRN 584-84-9
CMF C9 H6 N2 O2



CM 4

CRN 75-21-8
CMF C2 H4 O

RN 713541-96-9 CAPLUS
CN Cyclopentanecarboxylic acid, 2-oxo-, ethyl ester, polymer with Acclaim 8200, 2,4-diisocyanato-1-methylbenzene and 4,4'-methylenebis[2-methylcyclohexanamine] (9CI) (CA INDEX NAME)

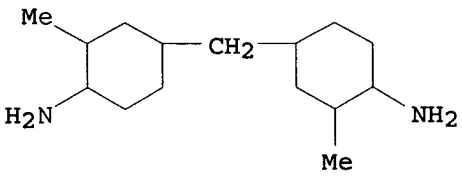
CM 1

CRN 188571-38-2
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

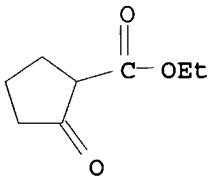
CM 2

CRN 6864-37-5
CMF C15 H30 N2



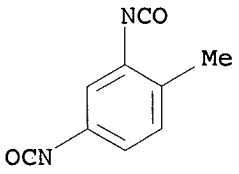
CM 3

CRN 611-10-9
CMF C8 H12 O3



CM 4

CRN 584-84-9
CMF C9 H6 N2 O2



RN 713541-97-0 CAPLUS
CN Cyclopentanecarboxylic acid, 2-oxo-, ethyl ester, polymer with Acclaim 12200, 2,4-diisocyanato-1-methylbenzene and 4,4'-methylenebis[2-methylcyclohexanamine] (9CI) (CA INDEX NAME)

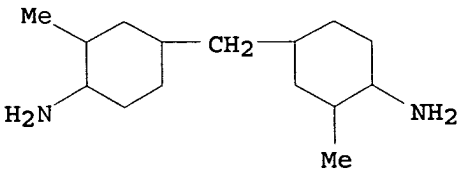
CM 1

CRN 278793-29-6
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

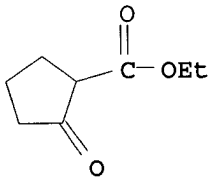
CM 2

CRN 6864-37-5
CMF C15 H30 N2



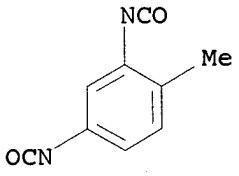
CM 3

CRN 611-10-9
CMF C8 H12 O3



CM 4

CRN 584-84-9
CMF C9 H6 N2 O2



RN 713541-98-1 CAPLUS
CN Cyclohexanecarboxylic acid, 2-oxo-, ethyl ester, polymer with Acclaim 2200, 2,4-diisocyanato-1-methylbenzene and 4,4'-methylenebis[2-methylcyclohexanamine] (9CI) (CA INDEX NAME)

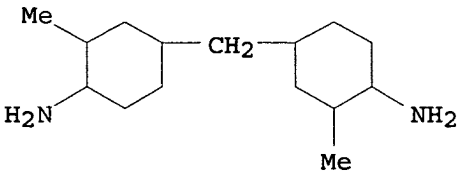
CM 1

CRN 188571-34-8
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

CM 2

CRN 6864-37-5
CMF C15 H30 N2



CM 3

CRN 1655-07-8
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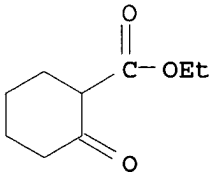
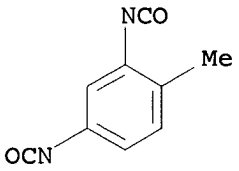


CM 4

CRN 584-84-9
CMF C9 H6 N2 O2



RN 713541-99-2 CAPLUS
CN Cyclohexanecarboxylic acid, 2-oxo-, ethyl ester, polymer with Acclaim 4200, 2,4-diisocyanato-1-methylbenzene and 4,4'-methylenebis[2-methylcyclohexanamine] (9CI) (CA INDEX NAME)

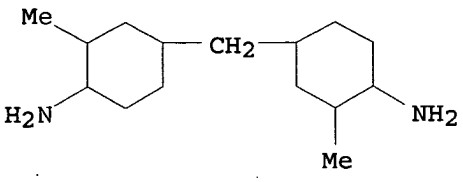
CM 1

CRN 188571-36-0
CMF Unspecified
CCI PMS, MAN

*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

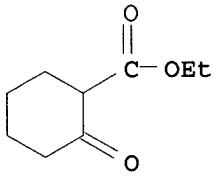
CM 2

CRN 6864-37-5
CMF C15 H30 N2



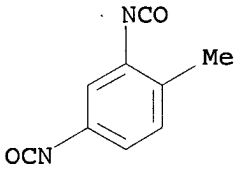
CM 3

CRN 1655-07-8
CMF C9 H14 O3



CM 4

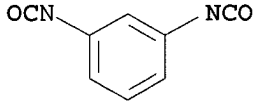
CRN 584-84-9
CMF C9 H6 N2 O2



RN 713542-00-8 CAPLUS
CN Cyclohexanecarboxylic acid, 2-oxo-, ethyl ester, polymer with 1,3-diisocyanatomethylbenzene, α-hydro-ω-hydroxypoly[oxy(methyl-1,2-ethanediyl)] ether with 2-ethyl-2-(hydroxymethyl)-1,3-propanediol (3:1), and 4,4'-methylenebis[2-methylcyclohexanamine] (9CI) (CA INDEX NAME)

CM 1

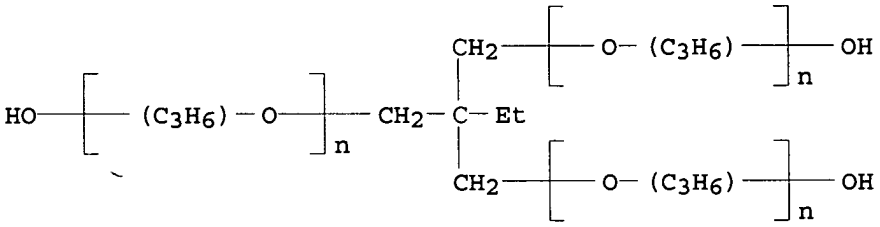
CRN 26471-62-5
CMF C9 H6 N2 O2
CCI IDS



D1—Me

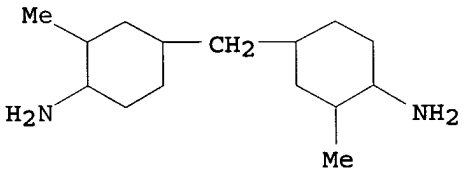
CM 2

CRN 25723-16-4
CMF (C3 H6 O)n (C3 H6 O)n (C3 H6 O)n C6 H14 O3
CCI IDS, PMS



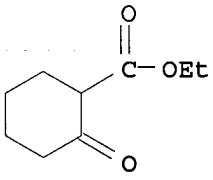
CM 3

CRN 6864-37-5
CMF C15 H30 N2



CM 4

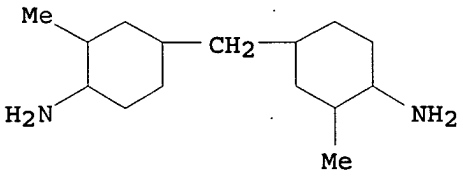
CRN 1655-07-8
CMF C9 H14 O3



RN 714248-43-8 CAPLUS
CN Cyclopentanecarboxylic acid, 2-oxo-, ethyl ester, polymer with 2,4-diisocyanato-1-methylbenzene, 4,4'-methylenebis[2-methylcyclohexanamine] and methyloxirane polymer with oxirane ether with 1,2,3-propanetriol (3:1) (9CI) (CA INDEX NAME)

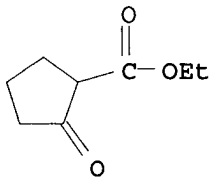
CM 1

CRN 6864-37-5
CMF C15 H30 N2



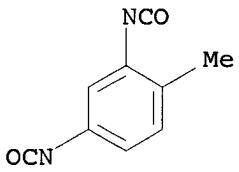
CM 2

CRN 611-10-9
CMF C8 H12 O3



CM 3

CRN 584-84-9
CMF C9 H6 N2 O2

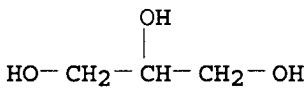


CM 4

CRN 9082-00-2
CMF C3 H8 O3 . 3 (C3 H6 O . C2 H4 O)x

CM 5

CRN 56-81-5
CMF C3 H8 O3

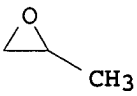


CM 6

CRN 9003-11-6
CMF (C3 H6 O . C2 H4 O)x
CCI PMS

CM 7

CRN 75-56-9
CMF C3 H6 O



CM 8

CRN 75-21-8
CMF C2 H4 O

=> d l57 abs ibib hitstr 2

L57 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN

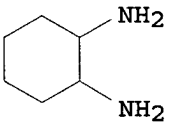
AB The title amines, giving cured compns. forming clear films, are prepared from compds. bearing ≥2 NH2 groups, alkylene carbonates, aliphatic carbonyl compds., and compds. bearing ≥2 OH-reactive groups in specified ratios. Adding 1.0 mol ethylene carbonate over 1 h to 1.0 mol 1,6-hexanediamine in PhMe at 40-50°, heating at 50° until the amine number was <158, adding 2.0 mol MEK and 0.5 g MeC6H4SO3H, distilling H2O, adding 0.5 mol polypropylene glycol-based **diepoxy** resin (**epoxy** content 3125 mmol/kg), and heating at 120° until the **epoxy** content was <50 mmol/kg gave a **blocked** amine. Use of 76 g this product with 50 g aqueous **epoxy** resin (Beckopox EP 116) composition (**epoxy** content 5076 mmol/kg) in the formulation of a clear coating film is exemplified.

ACCESSION NUMBER: 1999:736300 CAPLUS
DOCUMENT NUMBER: 131:337884
TITLE: **Blocked** amines as curing agent for aqueous one-component **epoxy** resin compositions
INVENTOR(S): Feola, Roland; Muller, Friedrich; Gmoser, Johann
PATENT ASSIGNEE(S): Vianova Resins AG, Austria; Surface Specialties Austria GM
SOURCE: Eur. Pat. Appl., 11 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

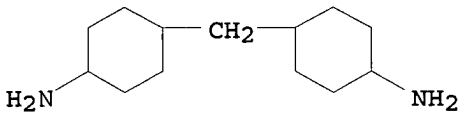
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 957121	A2	19991117	EP 1999-108940	19990505
EP 957121	A3	20020522		
EP 957121	B1	20040204		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 9800802	A	20001015	AT 1998-802	19980512
AT 407748	B	20010525		

AT 258944	E	20040215	AT 1999-108940	19990505
US 6207733	B1	20010327	US 1999-307974	19990510
PRIORITY APPLN. INFO.:			AT 1998-802 A	19980512
			EP 1999-108940 A	19990505

IT **694-83-7D**, 1,2-Cyclohexanediamine, reaction products with alkylene carbonates, **ketones** and **epoxy** resins
1761-71-3D, Bis(4-aminocyclohexyl)methane, reaction products with alkylene carbonates, **ketones** and **epoxy** resins
RL: MOA (Modifier or additive use); USES (Uses)
(**blocked** amines as curing agent for aqueous one-component **epoxy** resin compns.)
RN 694-83-7 CAPLUS
CN 1,2-Cyclohexanediamine (6CI, 7CI, 8CI, 9CI) (CA INDEX NAME)



RN 1761-71-3 CAPLUS
CN Cyclohexanamine, 4,4'-methylenebis- (9CI) (CA INDEX NAME)



=> d 157 abs ibib hitstr 3

L57 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2005 ACS on STN
AB The title liquid materials contain (meth)acryloyl compound and C2-24 (cyclo)aliphatic primary amines [or their adducts (mol. weight 350-1500) with **epoxides**, isocyanates, or unsatd. carbonyl compds.] **blocked** by C≤10 aldehydes or **ketones**. Thus, a polymer solution (from xylene 3640, glycidyl methacrylate 1560, styrene 2807, and Bu acrylate 1872 g) 4252, acrylic acid 320.4, Cr(III) 2-ethylhexanoate 2.7, and hydroquinone 4.57 g were mixed, aerated at 110° to acid value <2, and mixed with 150 g xylene to give a 53.1% solution with acid value 0.9 and viscosity 170 cPa-s. An equiequiv. mixture of this solution and **blocked** amine (from dipropylenetriamine 196.5, iso-BuCOMe 330, and Epikote-828 297.7 g) was coated to 40 μ (dry basis) on steel to give a coating with tack-free time 2 h, Persoz hardness 104 and 213 after 1 and 7 days, and good resistance to MEK and gasoline.

ACCESSION NUMBER:	1987:215612 CAPLUS
DOCUMENT NUMBER:	106:215612
TITLE:	Fast-drying discoloration-free coating materials
PATENT ASSIGNEE(S):	AKZO N. V., Neth.
SOURCE:	Jpn. Kokai Tokkyo Koho, 11 pp.
	CODEN: JKXXAF
DOCUMENT TYPE:	Patent
LANGUAGE:	Japanese
FAMILY ACC. NUM. COUNT:	1
PATENT INFORMATION:	

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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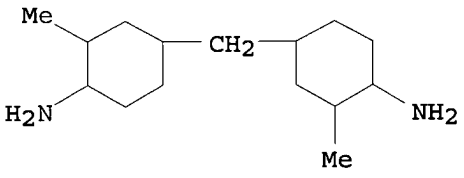
JP 61252273	A2	19861110	JP 1986-68829	19860328
JP 05053186	B4	19930809		
EP 203296	A1	19861203	EP 1986-103844	19860320
EP 203296	B1	19890927		
EP 203296	B2	19970903		
R: AT, BE, CH, DE, FR, GB, IT, LI, LU, NL, SE				
AT 46712	E	19891015	AT 1986-103844	19860320
DK 8601385	A	19860930	DK 1986-1385	19860325
DK 172448	B1	19980713		
NO 8601222	A	19860930	NO 1986-1222	19860325
NO 175864	B	19940912		
NO 175864	C	19941221		
BR 8601354	A	19861202	BR 1986-1354	19860326
ES 553476	A1	19870601	ES 1986-553476	19860326
CA 1268889	A1	19900508	CA 1986-505213	19860326
CN 86101964	A	19860924	CN 1986-101964	19860327
CN 1010318	B	19901107		
FI 8601346	A	19860930	FI 1986-1346	19860327
FI 80468	B	19900228		
FI 80468	C	19900611		
AU 8655366	A1	19861002	AU 1986-55366	19860327
AU 584689	B2	19890601		
ZA 8602359	A	19861126	ZA 1986-2359	19860327
US 4990577	A	19910205	US 1989-309449	19890210
PRIORITY APPLN. INFO.:			NL 1985-952 A	19850329
			EP 1986-103844 A	19860320
			US 1986-844412 B1	19860326

IT **6864-37-5D**, 3,3'-Dimethyl-4,4'-diaminodicyclohexylmethane, reaction products with **ketones**
RL: USES (Uses)
(crosslinking agents for room temperature-curable acrylic coatings)
RN 6864-37-5 CAPLUS
CN Cyclohexanamine, 4,4'-methylenebis[2-methyl- (9CI) (CA INDEX NAME)



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Executing the logoff script...

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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	86.76	2830.87

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION

10615694 2/15/05

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STN INTERNATIONAL LOGOFF AT 16:28:37 ON 15 FEB 2005